

Department of Transportation
Olympia, Washington 98504

July 11, 2001

ATTENTION: All Bidders and Planholders

SR 527
144TH ST SE TO 16TH AVE SE
WALL CONSTRUCTION
STATE PROJECT

Addendum No. 1

The Special Provisions, Plans, and Proposal for this project are amended as follows:

Special Provisions

1. On page 72, line 55 is revised is read:

8471 or approved equal, that matches the Mount St. Helens Gray
(~~Revised~~) color chip

2. On page 78, line 16 through page 79, line 3 are deleted and replaced with the following:

3.03 Shaft Excavation

A. The Contractor shall pothole all existing underground utilities intersecting the alignment of the soldier pile wall in accordance with the **Shaft Construction** subsection of the Special Provision **NOISE WALL**.

B. Shafts shall be excavated to the required depth as shown in the Plans or as directed by the Engineer. The minimum diameter of the shaft shall be as shown in the Plans. The excavation shall be completed in a continuous operation using equipment capable of excavating through the type of material expected to be encountered.

C. The Contractor may use temporary telescoping casing to construct the shafts.

D. If the shaft excavation is stopped the shaft shall be secured by installation of a safety cover. It shall be the Contractor's responsibility to ensure the safety of the shaft and surrounding soil and the stability of the side walls. A temporary casing, slurry, or other methods specified in the shaft installation plan as approved by the Engineer shall be used if necessary to ensure such safety and stability.

E. Where caving in conditions are encountered, no further excavation will be allowed until the Contractor has implemented the method to prevent ground caving as submitted in accordance with subsection 3.02.D.4 of this Special Provision and approved by the Engineer.

F. The Contractor shall use appropriate means such as a cleanout bucket, or air lift to clean the bottom of the excavation of all shafts. No more than 50 millimeters of loose or disturbed material shall be present at the bottom of the shaft just prior to beginning concrete placement.

G. The excavated shaft shall be inspected and approved by the Engineer prior to proceeding with construction.

H. When obstructions are encountered, the Contractor shall notify the Engineer promptly. An obstruction is defined as a specific object (including, but not limited to, boulders, logs, and man made objects) encountered during the shaft excavation operation which prevents or hinders the advance of the shaft excavation. When efforts to advance past the obstruction to the design shaft tip elevation result in the rate of advance of the shaft drilling equipment being significantly reduced relative to the rate of advance for the rest of the shaft excavation, then the Contractor shall remove the obstruction under the provisions of subsection 5.01.F of this Special Provision. The method of removal of such obstructions, and the continuation of excavation shall be as proposed by the Contractor and approved by the Engineer.

I. Excavation of shafts shall not commence until a minimum of 12 hours after the lean concrete for the adjacent shafts has been placed.

J. The casings for the shafts shall be removed. A minimum 1.5 meter head of concrete must be maintained to balance the soil and water pressure at the bottom of the casing. The casing shall be smooth.

3. On page 83, the following is added at line 53:

(NWR March 6, 2000)
Geotextile-Encased Check Dam

Geotextile-encased check dams shall consist of triangular or trapezoidal cross-sectional cores made of polyurethane foam that are covered in geotextile fabric meeting the requirements of geotextile fabric for temporary silt fence specified in Section 9-33.2.

Wire staples shall be No. 11 gauge wire and have a minimum length of 200 millimeters. Staples shall be new the first time used on the project.

(NWR September 5, 2000)
Storm Drain Protection Insert

Storm drain protection inserts shall be one of the following products:

Siltsack
Stream Guard
Dandy Bag
Beaver Dam
Storm Watch

Other storm drain protection inserts are currently being evaluated and may be acceptable for use. Other inserts shall only be used if approved by the Engineer.

Storm drain protection products are available from the following sources:

Siltsack

ACF West, Inc.
8951 SE 76th Drive
Portland, OR 97206
1-800-423-4567
1-800-878-5115
www.acf-environ.com

Dandy Bag and Beaver Dam

Northwest Linings
21000 77th Ave. S.
Kent, WA 98032
(253) 872-0244
875-2284
www.Dandyproducts.com

StreamGuard

Foss Environmental
PO Box 80327
Seattle, WA 98108
1-800-909-3677
767-0441
www.fossenv.com

Storm Watch

Aqua Treatment Systems, Inc.
PO Box 24122
Federal Way , WA 98093
(253) 835-9444
1-800-208-5447
www.gullywasher.com

4. On page 84, the following is added at line 16:

(NWR March 6, 2000)

Geotextile-Encased Check Dams

Geotextile-encased check dams shall be installed as soon as construction will allow or when designated by the Engineer. The check dams shall be placed in ditches perpendicular to the flow of water or as otherwise designated by the Engineer. Installation shall be as detailed in the Plans. Wire staples shall be used to anchor geotextile-encased fabric check dams and to join multiple check dams end-to-end.

(NWR March 6, 2000)

Storm Drain Protection Inserts

Each storm drain protection insert shall be sized to fit the stormwater structure it will service. The insert shall be capable of providing high flow relief so that ponding does not occur. The insert shall have a retrieval system for ease of removal. The insert shall be able to remain securely attached to the inlet or catch basin when it is fully loaded with sediment and debris, or at the maximum level of sediment and debris as specified by the manufacturer.

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Storm drain protection inserts shall be installed prior to clearing and grubbing or earthwork activities.

5. On page 85, the following is added at line 4:

(NWR March 6, 2000)

Geotextile-encased check dams will be measured by the meter along the line and slope of the top of each completed check dam.

(NWR March 6, 2000)

Storm drain protection inserts will be measured by the unit for each initial installation in an inlet or catch basin.

6. On page 72, the following is added at line 55:

(NWR March 6, 2000)

"Geotextile-Encased Check Dam", per meter.

The unit contract price per meter for "Geotextile-Encased Check Dam" shall be full pay for furnishing, installing, removing, and disposing of the check dam as specified.

Sediment removal from and maintenance of the check dam will be paid by force account under the item "Temporary Water Pollution/Erosion Control".

(NWR March 6, 2000)

"Storm Drain Protection Insert", per each.

The unit contract price per each for "Storm Drain Protection Insert" shall be full pay for furnishing, installing, removing, and disposing of the insert as specified.

Sediment removal from and maintenance of the insert will be paid by force account under the item "Temporary Water Pollution/Erosion Control".

7. The following special provision is added:

(*****)

Stormwater Site Plan Requirements

The temporary and permanent erosion and sediment control measures in this contract have been incorporated into a Stormwater Site Plan (SSP) designed to meet the minimum requirements of the *Highway Runoff Manual*.

All changes to the temporary and/or permanent erosion and sediment control features included in the SSP shall be approved prior to implementation. These changes must be approved by the Northwest Region Environmental Section and must therefore be reflected in the original SSP used for compliance on site. An updated copy of the SSP shall be kept by the Contractor at the construction site, available for inspection by the Engineer at all times.

The Contractor shall submit proposed changes to the SSP to the Engineer for submittal to the Northwest Region Environmental Section. Following approval, the Project Engineer's office will revise the original SSP and provide an updated copy to the Contractor. The Contractor shall implement only those changes, which have been incorporated by revision into the original SSP.

The following is required by the SSP:

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1. The Contractor shall perform the following activities prior to any land disturbing activities:
 - a) Construct the geotextile filter fences.
 - b) Stabilize all access points to the construction site with 300 mm of quarry spalls or other approved material to minimize the transport of sediment onto paved roads.
2. Soil Stabilization and Sediment Trapping
 - a) All exposed and unworked soils shall be stabilized according to the following criteria:

From October 1 to April 30, no exposed and unworked soils shall remain unstabilized for more than two days.

From May 1 to September 30, no exposed and unworked soils shall remain unstabilized for more than seven days.

Stabilization shall be accomplished using straw cover except that exposed or unworked soils on slopes steeper than 1:2 (vertical:horizontal) shall be stabilized with jute matting meeting the requirements of Section 9-14.5(1) and installed in accordance with Section 8-01.3(8).
 - b) Stormwater runoff shall pass through suitable temporary sediment traps which include filter fences.
 - c) In case of rainfall when jute matting cannot be applied soon enough to prevent erosion, the Contractor shall install clear plastic covering meeting the material requirements of Section 9-14.5 to protect all exposed and unworked soils on slopes steeper than 1:2. The Contractor shall remove the clear plastic covering when the soil is no longer in danger of being eroded.
 - d) Clearing and grubbing limits shall be clearly marked before construction. Removal of vegetation shall be kept to a minimum.
 - e) Properties adjacent to the project site shall be protected from sediment deposition.
 - f) A filter fence shall be installed just beyond the clearing limits of cut and fill slopes, and wherever off-site erosion/sedimentation problems could occur.
 - g) Where feasible, no more than 150 meters of trench shall be opened at one time. Where consistent with safety and space considerations, excavated materials shall be placed on the uphill side of the trench.
 - h) All temporary sediment traps (filter fence, straw cover and work area stabilization quarry spalls) shall be removed within 30 days after final site stabilization is achieved or when they are no longer needed. Trapped sediment shall be removed or stabilized on-

site. Disturbed soil areas resulting from silt fence removal shall be permanently stabilized immediately after removal.

- i) Wherever construction vehicle access routes intersect paved roads, the transport of sediment (mud) onto the paved road shall be minimized. If sediment is transported onto a road surface, the road shall be cleaned thoroughly at the end of each day. Sediment shall be removed from roads by shoveling or sweeping and transported to a controlled sediment disposal area.
- j) The filter fence and straw cover shall be inspected at regular intervals for damage and sediment accumulation. At a minimum, the facilities shall be inspected weekly and after runoff-producing events. Weekly inspections shall take place at the end of the work week and any needed repairs completed before the project is shutdown for the weekend. Inspections shall also continue at these intervals during periods of work stoppage.

3. Petroleum and Chemical Products

- a) All vehicle and equipment maintenance and fueling shall be performed in areas which are located away from drainage courses and as directed by the Engineer.
- b) If kept on site, all petroleum and chemical products shall be stored in locked weather-resistant sheds which are located away from drainage courses. The sheds shall be monitored regularly for leaks by person(s) trained in handling hazardous waste and spills. Repairs shall be made immediately.
- c) Materials for cleaning spills shall be kept on-site and easily available. Spills shall be cleaned up immediately and contaminated material disposed of properly.
- d) All hazardous materials must be disposed of through a licensed waste management firm. For additional information, call the Hazardous Substance Information Hotline (1-800-633-7585).

4. Nutrient Application and Control

- a) Fertilizer shall not enter the waterways.

5. Solid Waste Handling and Disposal

- a) A Solid Waste Disposal Plan shall be implemented for the construction site. The plan shall address the disposal of trees and brush as well as general construction waste. All waste shall be disposed of at an approved landfill or recycled by any authorized recycler.

6. Managing Hazardous Products

- a) The Contractor shall follow the recommendations provided in the WSDOT Highway Runoff Manual for managing and minimizing hazardous substances. A copy of the Highway Runoff Manual is available for review by the bidder at the Project Engineer's Office.

7. Equipment Washing

- a) The Contractor shall not discharge thinners and solvents into the sanitary or storm sewer systems when cleaning large machine parts where discharge of water is required.
- b) Washout from concrete trucks shall be discharged into a slurry pit and, allowed to harden and taken to the concrete recycling company. The location of the slurry pit is subject to approval by the Engineer and shall not be in a location which is subject to surface water runoff and must be at least 15 meters away from a storm drain, open ditch or receiving water.

Payment

Payment for work associated with soil stabilization and sediment trapping will be measured and paid in accordance with Section 1-07.15, the subsection **Temporary Water Pollution/Erosion Control** of this Provision, and the Special Provision **TEMPORARY EROSION CONTROL**.

All costs involved in vehicle and equipment maintenance and fueling; storage of petroleum and chemical products; operation; furnishing and disposal of containers and disposal of solid waste shall be included in the unit bid prices for the various items of work on this project.

Plans

Plan sheets 1, 3, 18, 19, 20, 21, 22, 23A, and 23B are revised as noted on the attached sheets.

Proposal

On page 5: Item No. 53, 54, and 55 added items.

Bidders shall furnish the Secretary of Transportation with evidence of receipt of this Addendum. This Addendum will be incorporated in the contract when awarded and when formally executed.

Clifford E. Mansfield, P.E.
State Design Engineer

Attachments:

Sheets 1, 3, 18, 19, 20, 21, and 22 of the Plans (Rev. 7-11-01)
Sheets 23A and 23B added sheets(7-11-01)
Page 5 of the Proposal (Rev. 7-11-01)

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